

Converting Colors

XYZ(29.6315, 16.5426, 48.5701)

Have a look what the booklet for
XYZ(29.6315, 16.5426, 48.5701)
contains.

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Color

**XYZ(29.5897, 16.5395,
48.6466)**

Conversions

Conversions Part 1

Format	Color
Hex	B53BBB
RGB	181, 59, 187
RGB Percent	71%, 23%, 73%
CMY	0.2902, 0.7686, 0.2667
CMYK	0.03, 0.68, 0.00, 0.27
HSL	297°, 52%, 48%
HSV	297°, 68%, 73%
XYZ	29.5897, 16.5395, 48.6466
YIQ	110.0700, 31.6240, 65.6720

Conversions

Conversions Part 2

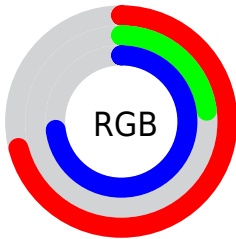
Format	Color
R_{YB}	181, 59, 187
Decimal	11877307
CIE _{Lab}	47.67, 64.41, -43.11
CIE _{LCh}	48, 77.510, 326.206
Yxy	16.5395, 0.3122, 0.1745
Android (android.graphics.Color)	4290067387 (0xFFB53BBB)
YUV	110.0700, 37.9265, 62.2056
Hunter-Lab	40.6688, 58.7022, -42.4525

Details

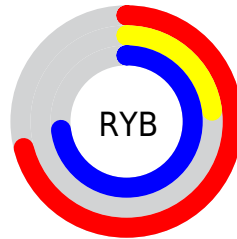
The XYZ color **29.5897, 16.5395, 48.6466** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **20.7401, 36.9806, 10.1831**, and the grayscale version is **14.7301, 15.4973, 16.8765**.

A 20% lighter version of the original color is **58.5097, 37.5477, 89.7516**, and **12.5458, 5.9785, 22.6830** is the 20% darker color. If you saturate the color by 10%, you get **28.5904, 14.8444, 48.3723**, and if you desaturate by 10%, it is **30.9358, 18.9250, 49.0363**.

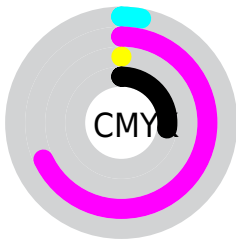
Distribution



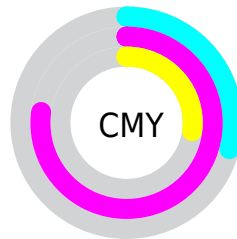
- Red (71%)
- Green (23%)
- Blue (73%)



- Red (71%)
- Yellow (23%)
- Blue (73%)



- Cyan (3%)
- Magenta (68%)
- Yellow (0%)
- Black (27%)





- Cyan (29%)
- Magenta (77%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5897, 16.5395, 48.6466 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.5897, 16.5395, 48.6466 by changing the saturation by 10% instead.


 29.5897, 16.5395,
48.6466


 29.5897, 16.5395,
48.6466


291.9315,
232.5045, 397.9318


 19.6739, 9.9067,
33.9756


 58.4038, 37.5323,
89.5419


 12.2651, 5.3372,
22.5976


 78.0328, 52.6611,
116.6033


 6.9980, 2.4464,
14.0942


 101.6302, 71.3907,
148.6319

 3.5072, 0.8496,
8.0467

 129.5615, 94.1055,
186.0462

 1.4273, 0.0000,
4.0366

 162.1919,
121.1899, 229.2648

 0.2755, 0.0000,
1.6455

199.8868,

 0.0000, 0.0000,

153.0282, 278.7063

0.3230

243.0115,
190.0050, 334.7891

■ 0.0000, 0.0000,
0.0000

■ 29.5897, 16.5395,
48.6466

■ 29.5897, 16.5395,
48.6466

■ 28.5904, 14.8444,
48.3723

■ 30.9358, 18.9250,
49.0363

■ 27.8971, 13.7601,
48.1996

■ 32.6597, 22.0649,
49.5515

■ 27.4469, 13.1600,
48.1075

■ 34.7912, 26.0181,
50.2022

■ 27.3841, 13.0808,
48.0955

■ 37.3567, 30.8373,
50.9972

■ 40.3803, 36.5707,
51.9445

■ 43.8843, 43.2629,
53.0516

■ 47.8895, 50.9556,
54.3253

■ 52.4156, 59.6882,
55.7723

■ 57.4811, 69.4977,
57.3988

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.3659, 16.5395, 78.4882



29.5897, 16.5395, 48.6466



33.1065, 16.5395, 20.6523

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.5897, 16.5395, 48.6466



16.6181, 16.5395, 0.3396



6.5427, 16.5395, 40.6507

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.5897, 16.5395, 48.6466



20.7401, 36.9806, 10.1831

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.8239, 16.5395, 15.6009



29.5897, 16.5395, 48.6466



10.5417, 16.5395, 0.8847

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.5897, 16.5395, 48.6466



24.3528, 16.5395, 1.2710



7.0463, 16.5395, 4.0337



9.4150, 16.5395, 71.9447

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.5897, 16.5395, 48.6466



32.2917, 16.5395, 9.3229



7.0463, 16.5395, 4.0337



6.0856, 16.5395, 30.8899

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.5903, 16.5402, 48.6469



70.6675, 62.3541, 92.5124



12.6872, 8.3450, 47.9560



15.2279, 13.0972, 20.2680



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5903, 16.5402, 48.6469



50.5354, 25.5115, 86.4621



26.0471, 15.2890, 22.4876



9.8846, 9.6729, 12.0183



18.8853, 9.0218, 33.1389



0.7535, 0.3605, 1.2987

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.0121, 14.0749, 6.5054



38.2305, 20.9498, 5.3866



22.7619, 37.7458, 22.7934



9.5478, 9.5434, 10.0078



14.1608, 7.2955, 0.8746



0.5610, 0.2883, 0.0673

Previews

White Background



This preview shows how the XYZ color 29.5897, 16.5395, 48.6466 looks on a white background.

Color Contrast Check

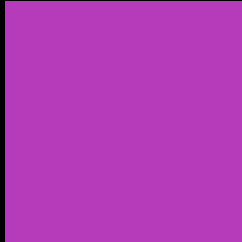
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.5897, 16.5395, 48.6466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

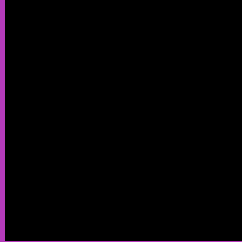
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5897, 16.5395, 48.6466

Background



This preview shows how black text looks on a background with the XYZ color 29.5897, 16.5395, 48.6466.



This preview shows how white text looks on a background with the XYZ color 29.5897, 16.5395,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.5897, 16.5395, 48.6466

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.2776, 16.9112, 44.4730



Tritanopia

22.2155, 16.5170, 12.8437

Trichromacy



Original Color

29.5897, 16.5395, 48.6466



Protanomaly

18.3825, 13.5983, 66.6216



Deuteranomaly

19.5457, 15.0546, 45.5917



Tritanomaly

24.0762, 16.0060, 22.2426

Monochromacy



Original Color

29.5897, 16.5395, 48.6466



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.4819, 14.5514, 25.8794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5897, 16.5395, 48.6466 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 59, 187)` looks like.

```
.text, #text, p{  
    color:rgb(181, 59, 187)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 59, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 59, 187) }
```

Border

The CSS property to change the border of an element to XYZ 29.5897, 16.5395, 48.6466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 59, 187) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 59, 187) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 59, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 59, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 59, 187);  
box-shadow:4px 4px 4px 4px rgb(181, 59,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5897, 16.5395, 48.6466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 59, 187) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181, 59,  
187) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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